

DHDC-2740ST

Silicone urethane top coat



This paint is a premium top coat based on silicone urethane resin (non-yellowing type), and is suitable as an interior/exterior top coat for steel structures coated with epoxy primer. It has superior physical properties such as weather resistance and color retention ability to general urethane or epoxy paints, and is an excellent top coat that can be widely used for new and repair painting of various industrial facilities and heavy duty coating.

Usage

Top coat for steel surfaces of various industrial facilities
Steel structures, electrical transmission tower, steel surfaces of power plants, etc.

Specification

Paint type	Acrylic urethane / Top coat(non-yellowing type) / High build (Two-Component)			
Drying time	Category	5°C	20°C	30°C
	Set-to-touch	30 minutes	20 minutes	10 minutes
	Dry-hard	12 hours	8 hours	6 hours
	Over-coat (Min.)	12 hours	8 hours	6 hours
	Over-coat (Max.)	1 month	15 days	7 days
	Maturation time	30 minutes	20 minutes	10 minutes
	Pot life	6 hours	3 hours	2 hours
Thinner	DR-700	Dilution ratio	▷ Brush, roller coating: less than 5% ▷ Air spray coating: less than 10%	
Specific gravity	Approx. 1.4(Based on white color)			
Theoretical Coverage	12 m ² /ℓ (1 time - 50μm)	Solid volume ratio	Approx. 60±1%	
Color	White, other colors	Thickness of dried film	50 ~ 100μm(1~2회)	
Mixing ratio	Base(A)/Hardener(B)=10/1 (Weight ratio)	Flash point	At least 7°C	
Gloss	Glossy	Shelf life	12 months (Dry, cool, and dark place with good ventilation)	

Product Properties (Physical Property Data)

Acrylic urethane	Two-component type acrylic urethane product with excellence weatherability in outdoor environmental conditions.
Excellent film property	The product has solid film and good adherence, weatherability and chemical resistance.

How to Use

Surface treatment	<ol style="list-style-type: none">1. Completely remove oil, moisture, sand, dust, and other foreign matter from the surface to be coated.2. Sufficiently dry the surface to be coated before coating.3. After primer coating, clean up the welded areas (blackened and rusted areas) with a disc sander. Then, touch up with this paint and continue coating.
Coating Method	<ol style="list-style-type: none">1. Coating can be done by either brush, roller, or airless spray coating.2. Airless spray coating :<ul style="list-style-type: none">- Tip diameter : 0.019"~0.021"- Injection pressure : More than 2500 P.S.I (176kg/cm²)- Store the coating equipment after cleaning with an exclusive thinner immediately after use.
Preceding & Follow-up Coating	<ol style="list-style-type: none">1. Preceding coating : Epoxy primer for steel tower DHDC-0690ST, epoxy system primer, urethane system primer
Remarks	<ol style="list-style-type: none">1. Sufficient performance after last coating is achieved after drying for 7 days at 20°C.